

LITHIUM-ION EMERGENCY LIGHTING LUMINAIRES



FOR EXTENDED
BATTERY LIFE



THE **GLOBAL SPECIALIST**
IN ELECTRICAL AND DIGITAL BUILDING INFRASTRUCTURES



WHAT IS LIION?

LIION is the name given for the range of emergency lighting luminaires fitted with lithium-Ion batteries. With an operational lifespan of up to 10 years, the LIION range of emergency lighting products will deliver an extended battery life far beyond the expected lifespan of traditional NiCd/NiMH or lead-acid batteries.

SAFETY FOR EMERGENCY LIGHTING

There are many types of Lithium battery technologies. The battery of choice used in all LIION products is Lithium Iron Phosphate (LiFePO₄), batteries with this chemical mix provide a safer option for emergency lighting applications.

PROTECTION CIRCUIT MODULE (PCM): Each battery pack has an onboard PCM which will protect the battery pack from excessive charging and over-discharging.

ISMART™ TEMPERATURE SENSING: The LIION range goes above and beyond safety, each luminaire is fitted with iSmart temperature sensing technology. The electronics have been designed to ensure that the battery is not charged outside its specified ambient temperature zones to avoid catastrophic failure.

LIION AND THE ENVIRONMENT

Emergency lighting products are known for using Lead-acid, NiCd/NiMH batteries. These types of batteries have high environmental impacts due to the blend of heavy toxic metals. The Queensland Governments "EXITCYCLE GUIDELINES" document identifies that approximately five million NiCd batteries are sent to landfill each year. These heavy metals, if not disposed of correctly may be harmful to humans and environment. LiFePO₄ batteries don't contain heavy toxic metals; in addition LiFePO₄ batteries don't require frequent charging as they can hold charge over long periods resulting in reduced energy consumption. Legrand is at the forefront when it comes to protecting the environment with the LIION emergency lighting range of luminaires.

WARRANTY

The LIION range has been designed, built and tested to outperform traditional battery technologies and is provided with a five year warranty.*

*refer to installation instructions of each luminaire for full warranty conditions and to ensure a proper maintenance regime is followed as per AS/NZS 2293 series.

LIION MANUFACTURED IN AUSTRALIA

All LIION emergency luminaires have been designed and manufactured by Legrand in Australia.

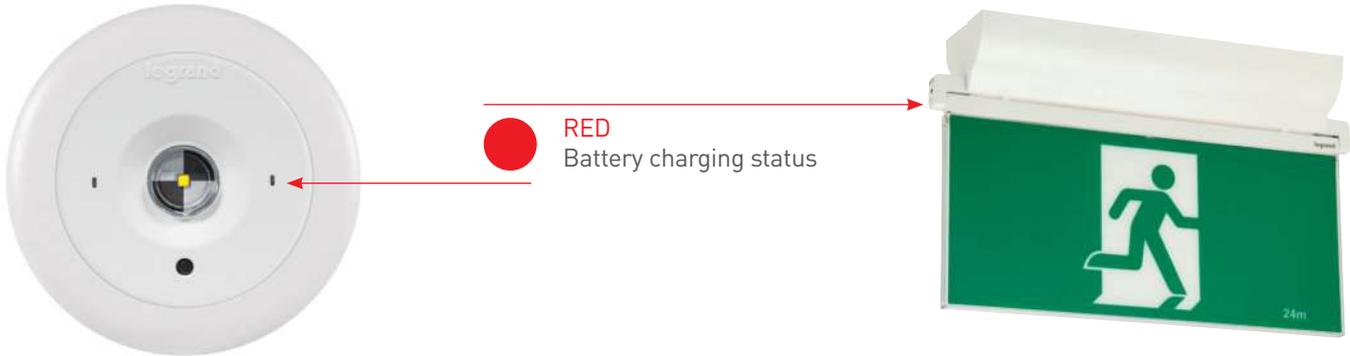
They comply with AS/NZS 2293 emergency lighting (luminaire).



Manufactured
in Australia

LIION LED INDICATORS

Legrand's range of LIION emergency luminaires have the feature of LED indicators providing visual information on battery charging and battery health.

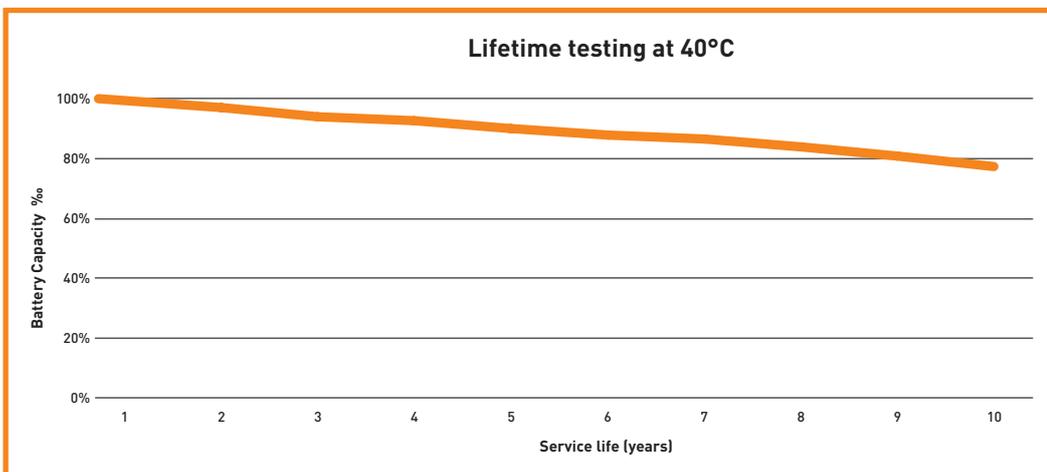


RED
Battery charging status

	Red on	- Battery is in good condition and is being charged when necessary
	Red off	- Loss of mains power, OR - Battery disconnection, OR - Unit is under test, OR
	Slow flashing red	- Battery is faulty and should be replaced

BATTERY CAPACITY OVER LIFETIME

Legrand has specifically designed the electronics and battery packs of all LIION products in a format that avoids deep discharging during AS2293 testing. Avoiding deep discharging lengthens the operational life of the battery.





684432/LI



684730/LI



684770/LI



686200/LI



685100/LI

Cat.Nos	E3™ LED Edgelight - 24m	C0	C90	Cat.Nos	E2™ LED Edgelight - 24m	C0	C90
	For Standalone models, order power pack & diffuser type for complete fixture				Standalone - recessed		
	Standalone - recessed power pack only			684730/LI	Maintained LED with RM ss/ds white	C10	C12.5
684437/LI	Maintained power pack LED	-	-		Standalone - surface mounted		
	Standalone - surface mounted power pack only			684731/LI	Maintained LED with RM ss/ds white	C10	C12.5
684443/LI	Maintained power pack LED silver	-	-	684733/LI	Maintained LED with RM ss/ds black	N/A*	N/A*
	Diffuser - Single-sided - Stainless steel				Galaxy® - recessed		
684431	Wall plate - RM straight	N/A*	N/A*	659003LI	Maintained LED with RM ss/ds white	C10	C12.5
684432	Wall plate - left arrow - RM	N/A*	N/A*	659004LI	Maintained LED with RM ss/ds black	N/A*	N/A*
684433	Wall plate - RM - right arrow	N/A*	N/A*		Galaxy® - surface mounted		
684439	RM straight - wall plate	N/A*	N/A*	659005LI	Maintained LED with RM ss/ds white	C10	C12.5
684440	Left arrow - RM - wall plate	N/A*	N/A*	659006LI	Maintained LED with RM ss/ds black	N/A*	N/A*
684441	RM - right arrow - wall plate	N/A*	N/A*		Securit™ LED - 24m		
	Diffuser - Single-sided - Stainless steel				Standalone - recessed		
684434	Wall plate - RM straight	N/A*	N/A*	684770/LI	Maintained LED ss RM straight	E1.3	E1
684435	Wall plate - arrow to wall - RM	N/A*	N/A*	684771/LI	Maintained LED ss RM left	E1.3	E1
684436	Wall plate - RM - arrow away from wall	N/A*	N/A*	684772/LI	Maintained LED ss RM right	E1.3	E1
	Galaxy® - Maintained, recessed complete with diffuser			684773/LI	Maintained LED ds RM straight	E1.3	E1
659056LI	Single sided Wall plate - RM straight	N/A*	N/A*	684774/LI	Maintained LED ds RM left/right	E1.3	E1
659057LI	Single sided Wall plate - left arrow - RM	N/A*	N/A*		Standalone - surface mounted		
659058LI	Single sided Wall plate - RM - right arrow	N/A*	N/A*	684775/LI	Maintained LED ss RM straight	E1.3	E1
659059LI	Double sided Wall plate - RM straight	N/A*	N/A*	684776/LI	Maintained LED ss RM left	E1.3	E1
659060LI	Double sided Wall plate - arrow to wall - RM	N/A*	N/A*	684777/LI	Maintained LED ss RM right	E1.3	E1
659061LI	Double sided Wall plate - RM - arrow away from wall	N/A*	N/A*	684778/LI	Maintained LED ds RM straight	E1.3	E1
659062LI	Single sided RM straight - wall plate	N/A*	N/A*	684779/LI	Maintained LED ds RM left/right	E1.3	E1
659063LI	Single sided Left arrow - RM - wall plate	N/A*	N/A*		Galaxy® - recessed		
659064LI	Single sided RM - right arrow - wall plate	N/A*	N/A*	659044LI	Maintained LED ss RM straight	E1.3	E1
	Galaxy® - Maintained, surface mounted complete with diffuser			659045LI	Maintained LED ss RM left	E1.3	E1
659074LI	Single sided Wall plate - RM straight	N/A*	N/A*	659046LI	Maintained LED ss RM right	E1.3	E1
659075LI	Single sided Wall plate - left arrow - RM	N/A*	N/A*	659047LI	Maintained LED ds RM straight	E1.3	E1
659076LI	Single sided Wall plate - RM - right arrow	N/A*	N/A*	659048LI	Maintained LED ds RM left/right	E1.3	E1
659077LI	Double sided Wall plate - RM straight	N/A*	N/A*		Galaxy® - surface mounted		
659078LI	Double sided Wall plate - arrow to wall - RM	N/A*	N/A*	659049LI	Maintained LED ss RM straight	E1.3	E1
659079LI	Double sided Wall plate - RM - arrow away from wall	N/A*	N/A*	659050LI	Maintained LED ss RM left	E1.3	E1
659080LI	Single sided RM straight - wall plate	N/A*	N/A*	659051LI	Maintained LED ss RM right	E1.3	E1
659081LI	Single sided Left arrow - RM - wall plate	N/A*	N/A*	659052LI	Maintained LED ds RM straight	E1.3	E1
659082LI	Single sided RM - right arrow - wall plate	N/A*	N/A*	659053LI	Maintained LED ds RM left/right	E1.3	E1
					G2 LED Slide Connect™ - 24m		
					Standalone		
				686200/LI	Maintained LED set of RM ss/ds white	D3.2	B3.2
				686206/LI	Maintained LED set of RM ss/ds black	N/A*	N/A*
					Galaxy®		
				659000LI	Maintained LED set of RM ss/ds white	D3.2	B3.2
				659001LI	Maintained LED set of RM ss/ds black	N/A*	N/A*
					Economy LED - 24m		
					Standalone - wall or ceiling mounted		
				685100LI	Maintained LED ss with RM	E2.5	E2.5

*Product is an internally illuminated exit sign complying with AS/NZS2293, however does not have a photometric classification.

RM – running man, ss – single sided, ds – double sided
L6 – 600mm Length, L12 – 1200mm Length



684481/LI



684652/LI



685030/LI



659517LI

Cat.Nos		Large LED exit	C0	C90	Cat.Nos		Weatherproof Exit	C0	C90
		Standalone - 32m					Standalone - 24m		
684481/LI		Maintained LED ss RM straight	D12.5	D5	684650/LI		Maintained LED ss RM straight IP65	E2.5	E2
684482/LI		Maintained LED ss RM left	D12.5	D5	684651/LI		Maintained LED ss RM left IP65	E2.5	E2
684483/LI		Maintained LED ss RM right	D12.5	D5	684652/LI		Maintained LED ss RM right IP65	E2.5	E2
684484/LI		Maintained LED ds RM straight	D12.5	D5			Galaxy® - 24m		
684485/LI		Maintained LED ds RM left/right	D12.5	D5	659038LI		Maintained LED ss RM straight IP65	E2.5	E2
		Galaxy® - 32m			659039LI		Maintained LED ss RM left IP65	E2.5	E2
659023LI		Maintained LED ss RM straight	D12.5	D5	659040LI		Maintained LED ss RM right IP65	E2.5	E2
659024LI		Maintained LED ss RM left	D12.5	D5			Standalone - 32m		
659025LI		Maintained LED ss RM right	D12.5	D5	684670/LI		Maintained LED ss RM straight IP65	E2.5	E2
659026LI		Maintained LED ds RM straight	D12.5	D5	684671/LI		Maintained LED ss RM left IP65	E2.5	E2
659031LI		Maintained LED ds RM straight	D12.5	D4	684672/LI		Maintained LED ss RM right IP65	E2.5	E2
659032LI		Maintained LED ds RM left/right	D12.5	D4			Galaxy® - 32m		
		Standalone - 60m			659041LI		Maintained LED ss RM straight IP65	E2.5	E2
684501/LI		Maintained LED ss RM straight	D10	D3.2	659042LI		Maintained LED ss RM left IP65	E2.5	E2
684502/LI		Maintained LED ss RM left	D10	D3.2	659043LI		Maintained LED ss RM right IP65	E2.5	E2
684503/LI		Maintained LED ss RM right	D10	D3.2			Super LED Satellite™		
684504/LI		Maintained LED ds RM straight	D10	D3.2			Standalone - surface mounted		
684505/LI		Maintained LED ds RM left/right	D10	D3.2	685030/LI		Non-maintained LED IP65 grey	D100	D100
		Galaxy® - 60m			685031/LI		Non-maintained LED IP65 black	D100	D100
659033LI		Maintained LED ss RM straight	D10	D3.2			Galaxy® - surface mounted		
659034LI		Maintained LED ss RM left	D10	D3.2	659021LI		Non-maintained LED IP65 grey	D100	D100
659035LI		Maintained LED ss RM right	D10	D3.2	659022LI		Non-maintained LED IP65 black	D100	D100
659036LI		Maintained LED ds RM straight	D10	D3.2			Freezer Super LED Satellite™		
659037LI		Maintained LED ds RM left/right	D10	D3.2			Standalone - surface mounted		
		Standalone - 48m			659517LI		Non-maintained LED IP65 grey - remote gear -40°C	D100	D100
684486/LI		Maintained LED ss RM straight	D12.5	D4			Galaxy® - surface mounted		
684487/LI		Maintained LED ss RM left	D12.5	D4	659087LI		Non-maintained LED IP65 grey - remote gear -40°C	D100	D100
684488/LI		Maintained LED ss RM right	D12.5	D4					
684489/LI		Maintained LED ds RM straight	D12.5	D4					
684490/LI		Maintained LED ds RM left/right	D12.5	D4					
		Galaxy® - 48m							
659028LI		Maintained LED ss RM straight	D12.5	D4					
659029LI		Maintained LED ss RM left	D12.5	D4					
659030LI		Maintained LED ss RM right	D12.5	D4					
659031LI		Maintained LED ds RM straight	D12.5	D4					
659032LI		Maintained LED ds RM left/right	D12.5	D4					
		Standalone - 60m							
684501/LI		Maintained LED ss RM straight	D10	D3.2					
684502/LI		Maintained LED ss RM left	D10	D3.2					
684503/LI		Maintained LED ss RM right	D10	D3.2					
684504/LI		Maintained LED ds RM straight	D10	D3.2					
684505/LI		Maintained LED ds RM left/right	D10	D3.2					
		Galaxy® - 60m							
659033LI		Maintained LED ss RM straight	D10	D3.2					
659034LI		Maintained LED ss RM left	D10	D3.2					
659035LI		Maintained LED ss RM right	D10	D3.2					
659036LI		Maintained LED ds RM straight	D10	D3.2					
659037LI		Maintained LED ds RM left/right	D10	D3.2					

RM – running man, ss – single sided, ds – double sided
L6 – 600mm Length, L12 – 1200mm Length



685204/LI



685208/LI



685212/LI



659524/LI



659525/LI



685102/LI

Cat.Nos	LED Satellite™ - D50	C0	C90	Cat.Nos	Weatherproof LED Satellite™	C0	C90
685204/LI	Standalone - recessed Non-maintained LED white	D50	D50	659524/LI	Standalone Non-maintained LED IP55	D40	D40
685205/LI	Non-maintained LED black	D50	D50	Galaxy®			
659007/LI	Galaxy® - recessed Non-maintained LED white	D50	D50	659019/LI	Non-maintained LED IP55	D40	D40
659008/LI	Non-maintained LED black	D50	D50	Freezer LED Satellite™			
659500/LI	Standalone - surface mounted Non-maintained LED white	D50	D50	659525/LI	Non-maintained LED IP55 - remote gear -25°C	D40	D40
659501/LI	Non-maintained LED black	D50	D50	Galaxy®			
659013/LI	Galaxy® - surface mounted Non-maintained LED white	D50	D50	659020/LI	Non-maintained LED IP55 - remote gear -25°C	D40	D40
659014/LI	Non-maintained LED black	D50	D50	Economy LED Satellite™			
	LED Satellite™ - D63			685102/LI	Standalone Non-maintained LED white	D40	D40
685208/LI	Standalone - recessed Non-maintained LED white	D63	D63				
685209/LI	Non-maintained LED black	D63	D63				
659009/LI	Galaxy® - recessed Non-maintained LED white	D63	D63				
659010/LI	Non-maintained LED black	D63	D63				
659504/LI	Standalone - surface mounted Non-maintained LED white	D63	D63				
659505/LI	Non-maintained LED black	D63	D63				
659015/LI	Galaxy® - surface mounted Non-maintained LED white	D63	D63				
659016/LI	Non-maintained LED black	D63	D63				
	LED Satellite™ - Corridor						
685212/LI	Standalone - recessed Non-maintained LED white	D80	E16				
685213/LI	Non-maintained LED black	D80	E16				
659011/LI	Galaxy® - recessed Non-maintained LED white	D80	E16				
659012/LI	Non-maintained LED black	D80	E16				
659508/LI	Standalone - surface mounted Non-maintained LED white	D80	E16				
659509/LI	Non-maintained LED black	D80	E16				
659017/LI	Galaxy® - surface mounted Non-maintained LED white	D80	E16				
659018/LI	Non-maintained LED black	D80	E16				



659515LI



685050/LI



664164/LI

Cat.Nos			
	Twin LED Spotlight		
	Standalone		
659515LI	Non-maintained LED IP65 2x580lm	N/A*	N/A*
	Galaxy@		
659065LI	Non-maintained LED IP65 2x580lm	N/A*	N/A*
	WP2 LED Weatherproof Battens		
	Standalone		
685050/LI	Switched maintained 4000K GRP 2100lm L6 IP65	D80	D20
685080/LI	Switched maintained 4000K GRP 4100lm L12 IP65	D160	D40
	Galaxy@		
659066LI	Switched maintained 4000K GRP 2100lm L6 IP65	D80	D20
659068LI	Switched maintained 4000K GRP 4100lm L12 IP65	D160	D40
	Standalone - with DIM Sensor		
685053/LI	Switched maintained 4000K GRP 2100lm L6 IP65	D80	D20
685083/LI	Switched maintained 4000K GRP 4100lm L12 IP65	D160	D40
	Galaxy@ - with DIM Sensor		
659067LI	Switched maintained 4000K GRP 2100lm L6 IP65	D80	D20
659069LI	Switched maintained 4000K GRP 4100lm L12 IP65	D160	D40
	Standalone - with ON/OFF Sensor		
685051/LI	Switched maintained 4000K GRP 2100lm L6 IP65	D80	D20
685081/LI	Switched maintained 4000K GRP 4100lm L12 IP65	D160	D40
	Galaxy@ - with ON/OFF Sensor		
659072LI	Switched maintained 4000K GRP 2100lm L6 IP65	D80	D20
659073LI	Switched maintained 4000K GRP 4100lm L12 IP65	D160	D40
	Bulkhead 360 LED		
	Standalone		
664164/LI	Switched maintained plain LED 1800lm IP65	D80	D80
664165/LI	Switched maintained guard LED 1600lm IP65	D80	D80
	Galaxy@		
659070LI	Switched maintained plain LED 1800lm IP65	D80	D80
659071LI	Switched maintained guard LED 1600lm IP65	D80	D80

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